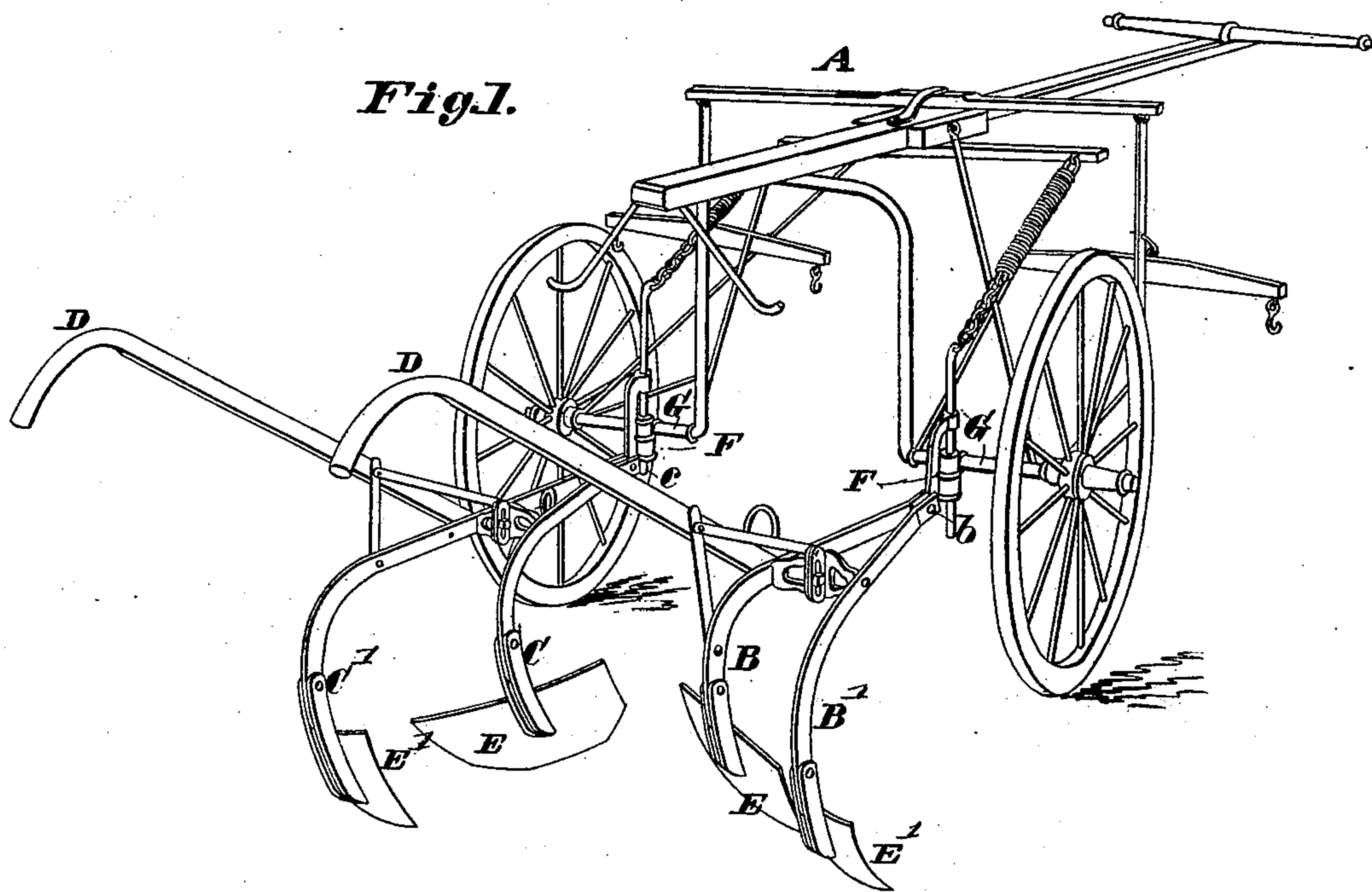


(No Model.)

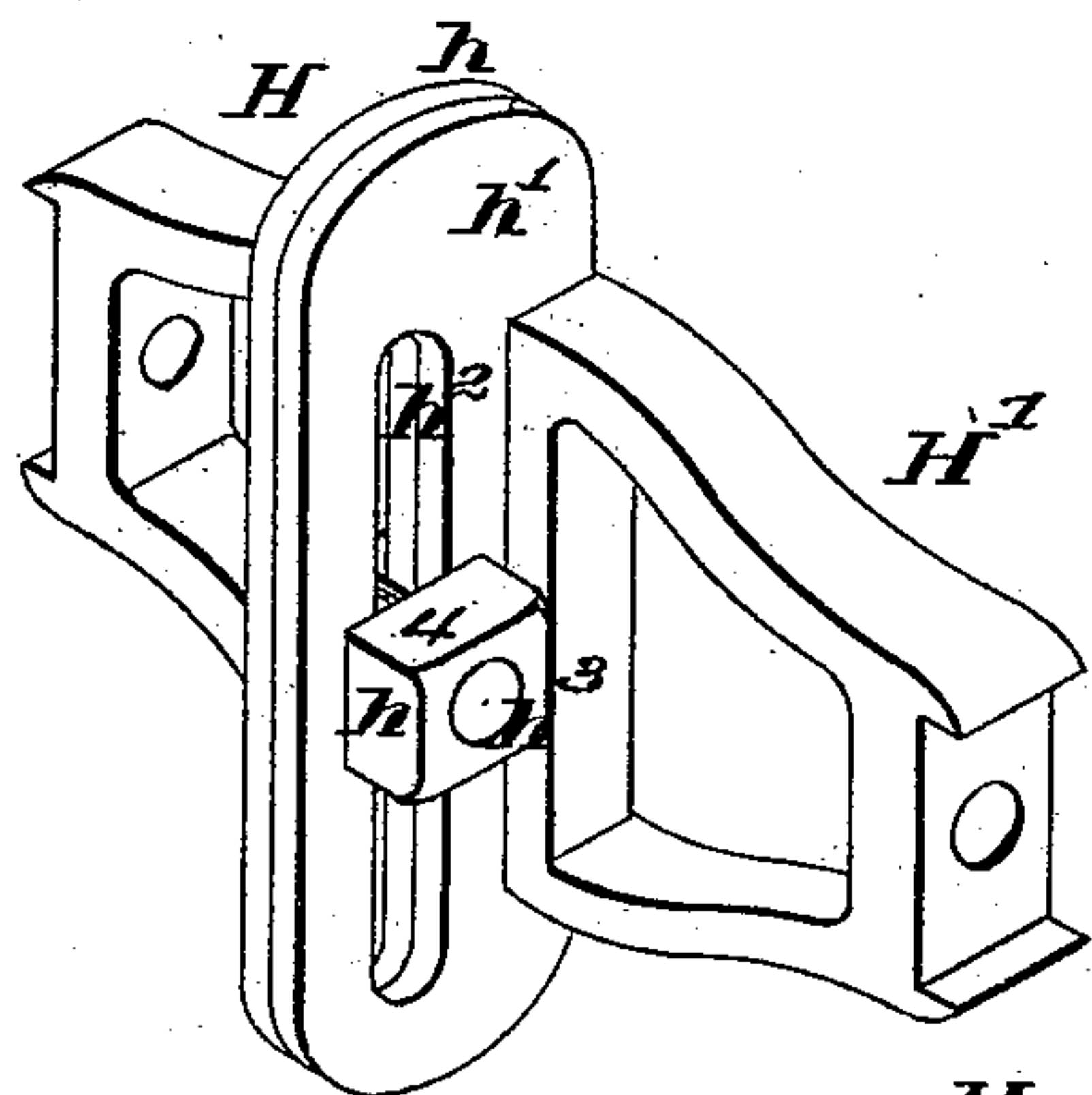
G. MOORE.  
CULTIVATOR.

No. 256,029.

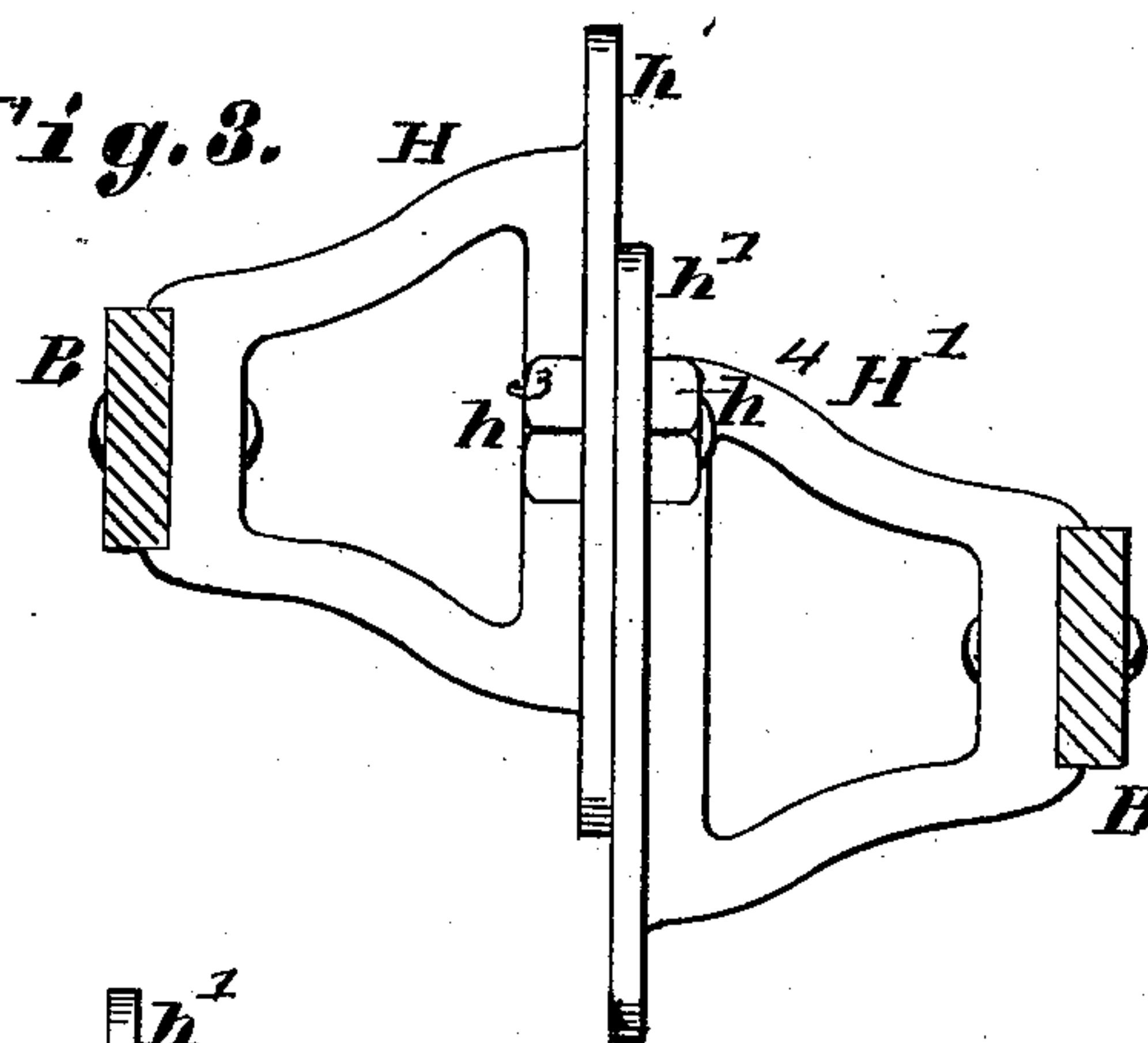
Patented Apr. 4, 1882.



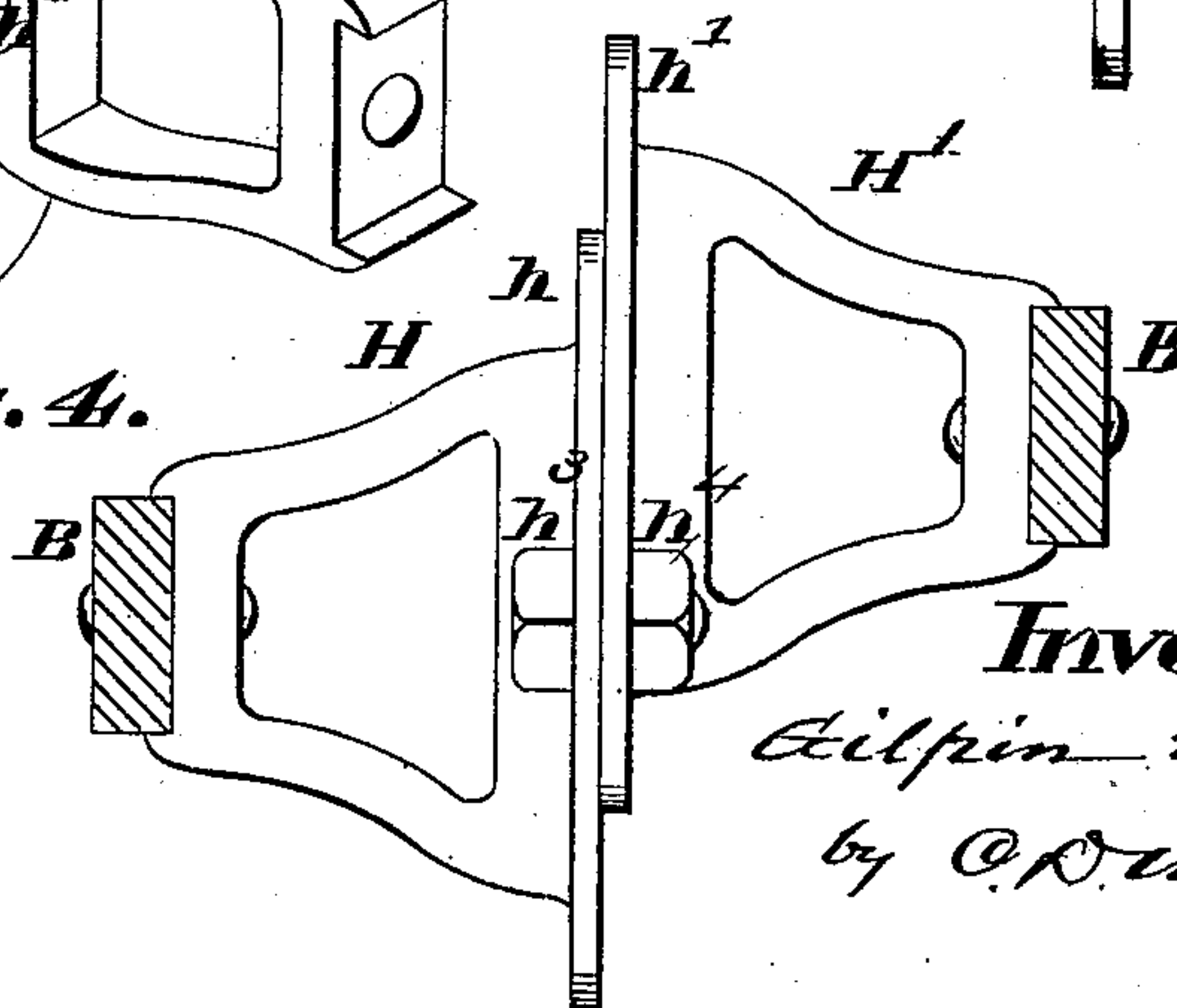
**Fig. 2.**



**Fig. 3.**



**Fig. 4.**



**Attest:**

Jno. N. Straab  
Charles Pickles

**Inventor:**

Gilpin Moore  
by C. P. Moody  
att'y

# UNITED STATES PATENT OFFICE.

GILPIN MOORE, OF MOLINE, ILL., ASSIGNOR TO DEERE AND COMPANY, OF  
SAME PLACE.

## CULTIVATOR.

SPECIFICATION forming part of Letters Patent No. 256,029, dated April 4, 1882.

Application filed November 8, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, GILPIN MOORE, of Moline, Illinois, have made a new and useful Improvement in Cultivators, of which the following is a full, clear, and exact description, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a view in perspective of a cultivator having the improvement in question; and Figs. 2, 3, and 4, details upon an enlarged scale, Fig. 2 being a view in perspective of the brackets used in connecting and relatively adjusting the two members of each pair of shovel-beams, and Figs. 3 and 4 elevations of the brackets, showing them in different positions relatively, and showing, also, the shovel-beams in cross-section.

The same letters denote the same parts.

The present invention is an improvement in cultivators such as used in tilling cotton, having the shovel-beams arranged in pairs and each pair manipulated by a single handle.

It consists in the improved means, hereinafter especially described, for enabling the two beams to be set at the same or different levels, and the plowing of the shovels respectively of the two beams to be done accordingly at the same or different levels.

In the annexed drawings, A represents a cultivator of the class referred to.

B B' and C C' represent the two pairs of shovel-beams. The handles D D, the shovels E E', and the beams, and also the connections F F' of the beams with the axle G, are substantially of the usual kind. In place, however, of the beams in each pair B and B' or C and C' having a fixed permanent relation to each other, they are made vertically adjustable upon each other. The beam B and the beam B' (and also the beam C and the beam C') can be relatively moved to bring the shovels E of one beam to a different level from that of the shovels E' of the other beam, and when so moved and adjusted be clamped and fastened together for the time being and operated by a single handle. The beams B and B' are pivoted together at their forward ends, b, and at or to-

ward their rear ends being connected as follows:

H H' represent brackets attached respectively to the beams B and B'. The brackets project toward each other, their opposing faces h h' encountering and bearing upon each other, and being slotted at h<sup>2</sup> to receive a bolt, h<sup>3</sup>, which passes through the slots and is provided with a nut, h<sup>4</sup>, serving to connect the brackets, and by tightening the nut locking the two beams B B' together at the desired relative adjustment—that is, the brackets can be arranged exactly opposite each other, as in Figs. 1 and 2; or the bracket H can be higher than the bracket H', as in Fig. 3, or lower than the bracket H', as in Fig. 4, and in the various positions named causing the beams and shovels E and E' to be relatively adjusted correspondingly. The beams C C' are similarly pivoted at c and are similarly operated.

The present improvement is especially designed for the cultivation of cotton, it being desirable in such work to be able to set the inner shovels, E E, at higher levels than those of the outer shovels, E' E', and also to change from time to time the levels of the shovels E E. At other times it is also desirable to work the outer shovels, E' E', at the higher level.

The handles D D are suitably connected with the beams for carrying the present improvement into effect.

I claim—

1. In a cultivator, and in combination with the pivoted shovel-beams, the brackets H H', having slotted face-plates h h' attached respectively to said beams and adjustable on each other by means of slot, bolt, and nut, substantially as set forth.

2. In a cultivator, the bracket H H', consisting of two parts having respectively faces h h', slotted at h<sup>2</sup>, and adjustable by bolt h<sup>3</sup> and nut h<sup>4</sup>, and adapted to be secured on the shovel-beams, all substantially as set forth.

GILPIN MOORE.

Witnesses:

W. J. ENRIKIN,  
J. T. BROWNING.